

# DASHBOARD UPDATE

UCI Annual Meeting

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# Main Points

1. **VDOT does not encourage or discourage local project administration. It is an option.**
2. **Localities are playing an increasingly important role in program administration.**
3. **The CTB is placing increased importance on timely delivery of the program.**
4. **VDOT is held accountable for the delivery of the program.**
5. **Dashboard plays an important role in providing that accountability.**
6. **Recent changes to the new Dashboard will require more involvement from localities.**

# Key Changes in Program Allocations

## FY14 SYIP vs. FY19 SYIP (P3 projects excluded)

- **Allocations for VDOT administered projects have decreased by ~7.5%**
  - **FY14 \$7.9B to FY19 \$7.3B**
- **Allocations for locally administered projects have increased by ~20%**
  - **FY14 \$1.4B to FY19 \$1.7B**
- **Number of projects overall have decreased by 26%**
  - **Number of VDOT projects has steadily declined since FY14 by 37%**
  - **Number of locally administered projects has decreased by 4.5%**

# Percentage Increase/Decrease (from FY14 to FY19) in Allocations by District

district	Administered By			
	Locally Administered		VDOT Administered	
Bristol	↓	40.7%	↓	1.2%
Culpeper	↑	178.3%	↓	16.7%
Fredericksburg	↑	61.7%	↑	10.6%
Hampton Roads	↓	19.0%	↑	121.4%
Lynchburg	↑	68.6%	↑	49.0%
Northern Virginia	↑	19.0%	↓	9.9%
Richmond	↑	109.8%	↓	5.3%
Salem	↑	79.1%	↑	107.0%
Staunton	↓	3.8%	↓	18.9%

# How are Project Sizes Changing?

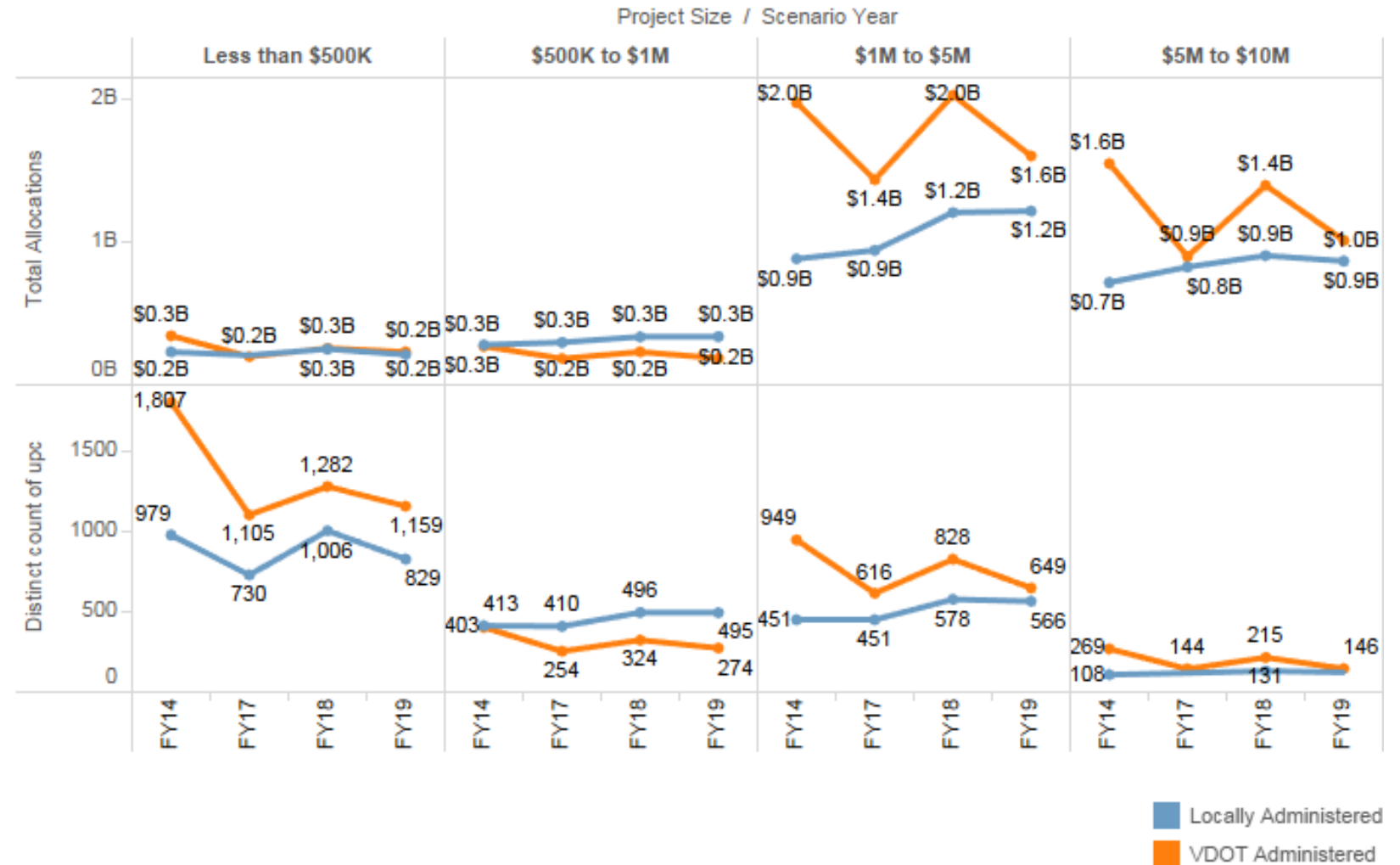
- Up to \$10M

- VDOT Program

- Allocations down 15% since FY14
- Count down 37%

- Local Program

- Allocations up 21%
- Count is flat (down 1%)



# How are Project Sizes Changing?

- **Over \$10M**

- **VDOT Program**

- Allocations down 22% since FY14
- Count down 31%

- **Local Program**

- Allocations up 42%
- Count is up 30%



# Why is the Dashboard important?

- **Maintain Focus**
  - Flawless execution of the Six Year Improvement Program
- **Time = money**
  - Deliver transportation improvements to the citizens of our Commonwealth efficiently and without delay
- **We are all accountable for delivering projects On-Time and On-Budget**
  - FHWA holds VDOT accountable for projects with federal funds, even if locally administered

# What is Included?

- **Short answer**

- All active projects in SYIP with a planned award date in FY19 and beyond

- **Long answer**

- Workflow is 'active'
- Record Type is 'project' or 'budget'
- Projects that are designated 'Smart Scale' (Cohort 17, Cohort 18)
- District Code = '1 thru 9', or 'District-Wide', or 'State-Wide'
- Fiscal Year of award date  $\geq$  2019
- Road System is ('Interstate', 'Primary', 'Secondary', 'Urban', 'Public Transportation', 'Enhancement', 'Miscellaneous')
- Project Status is ('No Dates Set Yet', 'No Dates Set Yet - PE Open', 'Activity Dates Set', 'Accelerated Dates Set', 'Advertised', 'Awarded', 'Construction Started', 'Construction Completed', 'Waiting for Financial Closure', 'Construction Claims')

**'Excluded' Project Status codes:**  
Study Only, Critical Decision  
Needed, Project Closeout Complete,  
Monitoring Funds, Canceled



# What is Changing – Project Development

OLD	NEW
<b>Tracked 1 activity (advertisement) at the end of development process</b>	<b>Tracking 10 key milestones in project development</b>
<b>Once a project turned red, it stayed red</b>	<b>Leading indicators provide early warning signs and opportunities to recover</b>
<b>No incentive to finish early – just meet the deadlines</b>	<b>Encouraging activities to finish early</b>
<b>Looked at accuracy of estimates and could obtain additional money</b>	<b>Delivering to project budget</b>

# How do we set deadlines and budgets?

- **SmartScale and non-SmartScale**
  - On-Time – Before project is scoped, the Local Agreement (10), PE Authorization (12) and Scope Project (22) milestones are baselined. The remaining milestones are locked after scoping is completed.
- **Non-SmartScale**
  - On-Budget – Before project is scoped, the budget is equivalent to the estimate. Post scoping, the subsequent estimate update is locked as the project budget.
- **SmartScale**
  - The approved funding in the SYIP is the budget

# Business Rules: Project Development On-Time

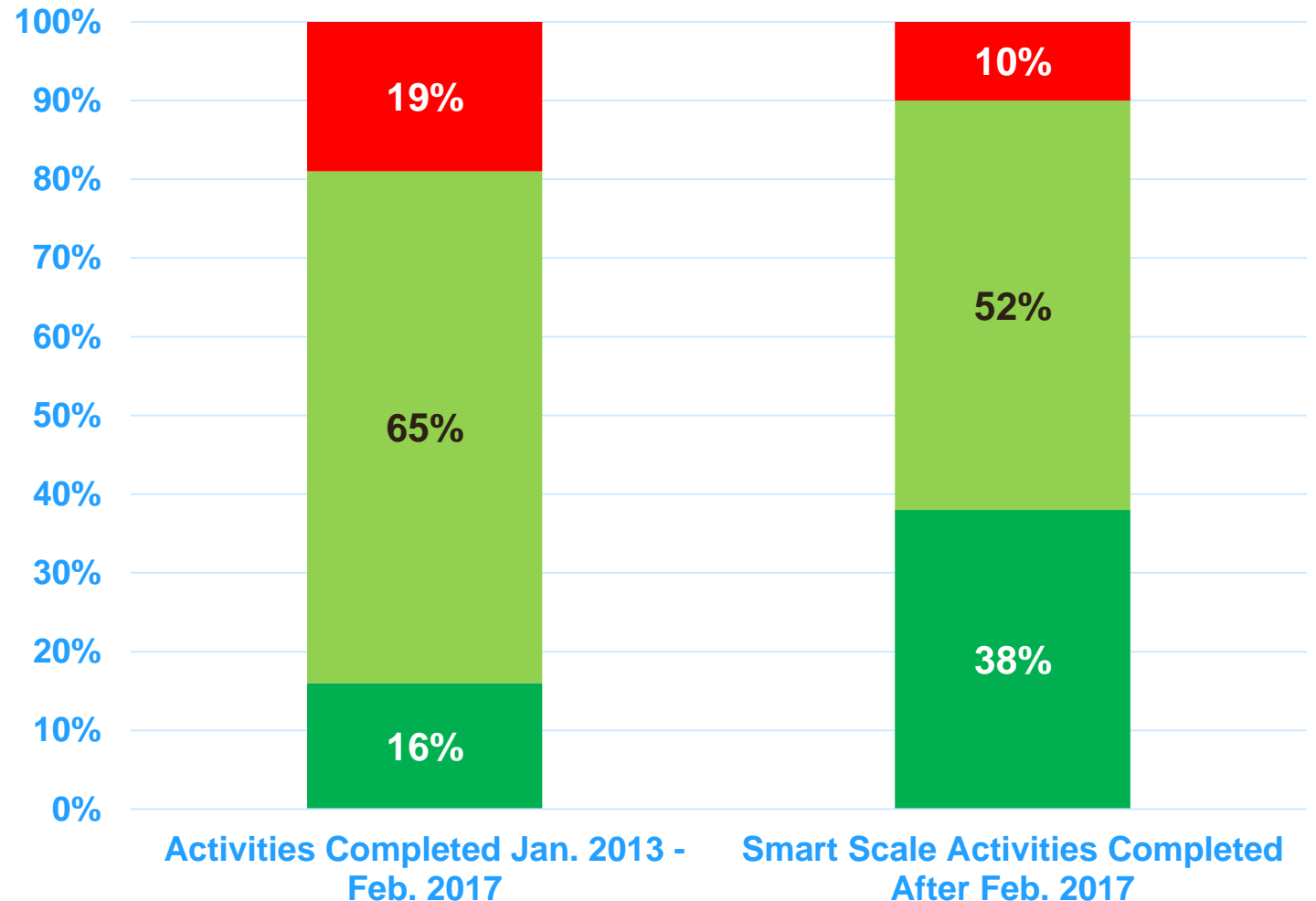
Project Milestone	Activity Code	Early Finish			Late Finish
Local Agreement	10	> 30 days early	≤ 30 days early	Baseline Finish Date	> 0 days late
Start Development (Authorize PE)	12				
Determine Requirements (Scope Project)	22				
Engage Public (Approve Willingness, Adopt Location/Design)	47, 49				
Start Purchasing Right-of-Way (Authorize R/W & UT Funds)	52				
Utility Relocation	67U	> 60 days early	≤ 60 days early		
Complete Purchasing Right-of-Way (Acquire Right-of-Way)	69				
Obtain Permits	70				
Solicit Bids (Advertise Project)	80				
Start Delivery (Award Contract)	84	> 30 days early	≤ 30 days early		

# Business Rules & Impact of Smart Scale Dashboard

## Completed Activities by Status

- Activities completed early have doubled since before Smart Scale Dashboard
- Activities completed late have been cut by nearly 1/2

- Completed Late
- Yellow but Completed On-Time
- Completed Early (Never Yellow)



# Business Rules: Project Development On-Budget

Approved Budget	Current Estimate in PCES		
< \$5 million	$\leq 0$	$> 0$ to $< 20\%$	$\geq 20\%$
\$5 million to \$10 million	$\leq 0$	$> 0$ to $> \$1M$	$\geq \$1M$
$> \$10$ million	$\leq 0$	$> 0$ to $< 10\%$ or $< \$5M^*$	$\geq 10\%$ or $\geq \$5M^*$
* <i>Whichever is less</i>			

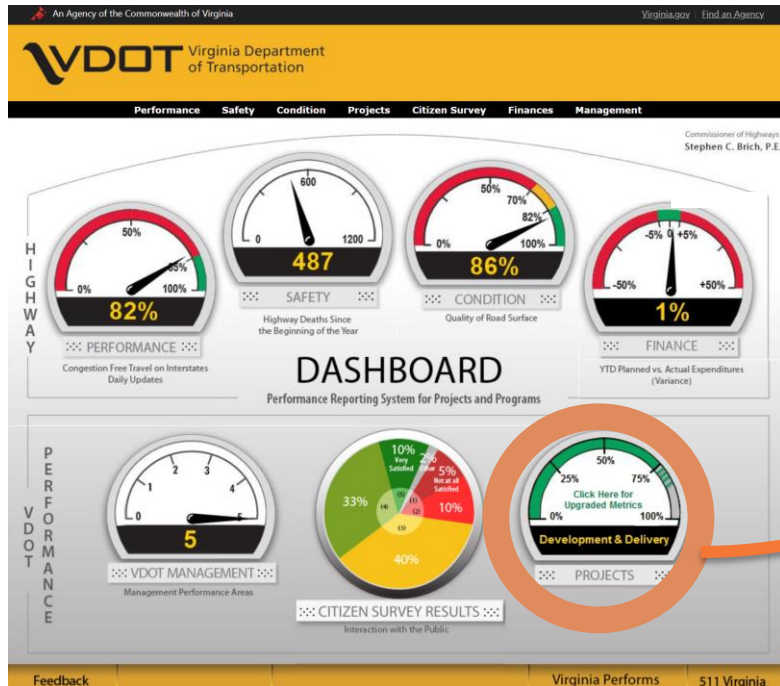
# Business Rules: Project Delivery On-Time

Milestones	Early Finish			Late Finish
Project Specific Interim Milestones	> 14 days	≤ 14 days	Baseline End Date	> 0 days
Complete Delivery	≥ 0 days			> 0 days

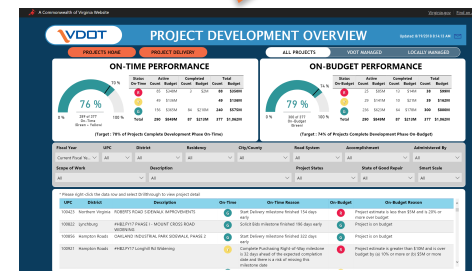
# Business Rules: Project Delivery On-Budget

	Contracts have not been executed; no status		
Active	Neither the current contract amount, nor the cost of work to date, exceed the award amount by more than 3%	Either the current contract amount, or the cost of work to date, exceeds the contract award amount by 3% to 10%	Either the current contract amount, or the cost of work to date, exceeds the contract award amount by more than 10%
Completed	Un-audited final cost is within 110% of award amount	Cost of work to date, or the current contract amount, exceed the original award amount by 3% to 10%	Un-audited final cost is not known; Either the cost of work to date, or the current contract amount, exceeds 110% of the award amount

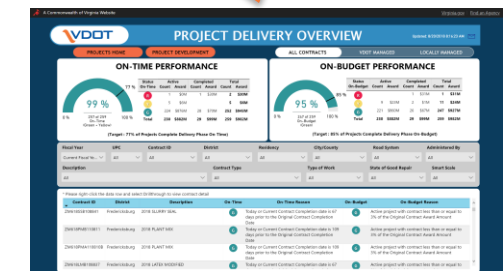
# VDOT Dashboard Projects Dial



## Interface to Project's Dial



Project Development (OT, OB)



Project Delivery (OT, OB)





# PROJECT DEVELOPMENT OVERVIEW

Updated: 8/19/2018 8:14:13 AM

PROJECTS HOME

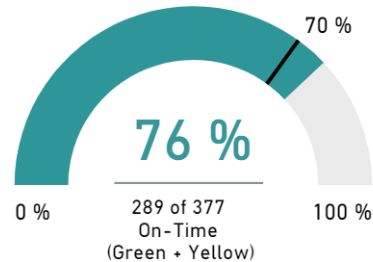
PROJECT DELIVERY

ALL PROJECTS

VDOT MANAGED

LOCALLY MANAGED

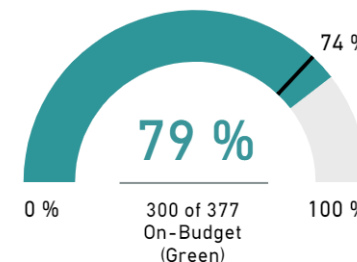
## ON-TIME PERFORMANCE



(Target : 70% of Projects Complete Development Phase On-Time)

Status On-Time	Active Count	Active Budget	Completed Count	Completed Budget	Total Count	Total Budget
R	85	\$348M	3	\$2M	88	\$350M
Y	49	\$136M			49	\$136M
G	156	\$365M	84	\$210M	240	\$575M
Total	290	\$849M	87	\$213M	377	\$1,062M

## ON-BUDGET PERFORMANCE



(Target : 74% of Projects Complete Development Phase On-Budget)

Status On-Budget	Active Count	Active Budget	Completed Count	Completed Budget	Total Count	Total Budget
R	25	\$85M	13	\$14M	38	\$99M
Y	29	\$141M	10	\$21M	39	\$162M
G	236	\$623M	64	\$178M	300	\$800M
Total	290	\$849M	87	\$213M	377	\$1,062M

Fiscal Year	UPC	District	Residency	City/County	Road System	Accomplishment	Administered By
Current Fiscal Ye... ▾	All ▾	All ▾	All ▾	All ▾	All ▾	All ▾	All ▾
Scope of Work	Description				Project Status	State of Good Repair	Smart Scale
All ▾	All ▾				All ▾	All ▾	All ▾

\* Please right-click the data row and select Drillthrough to view project detail

UPC	District	Description	On-Time	On-Time Reason	On-Budget	On-Budget Reason
100423	Northern Virginia	ROBERTS ROAD SIDEWALK IMPROVEMENTS	G	Start Delivery milestone finished 154 days early	R	Project estimate is less than \$5M and is 20% or more over budget
100822	Lynchburg	#HB2.FY17 PHASE I - MOUNT CROSS ROAD WIDENING	G	Solicit Bids milestone finished 196 days early	G	Project is on budget
100856	Hampton Roads	OAKLAND INDUSTRIAL PARK SIDEWALK, PHASE 2	G	Start Delivery milestone finished 322 days early	G	Project is on budget
100921	Hampton Roads	#HB2.FY17 Longhill Rd Widening	Y	Complete Purchasing Right-of-Way milestone is 32 days ahead of the expected completion date and there is a risk of missing this milestone date	R	Project estimate is greater than \$10M and is over budget by (a) 10% or more or (b) \$5M or more



# PROJECT DELIVERY DETAIL

Updated: 8/20/2018 8:16:23 AM

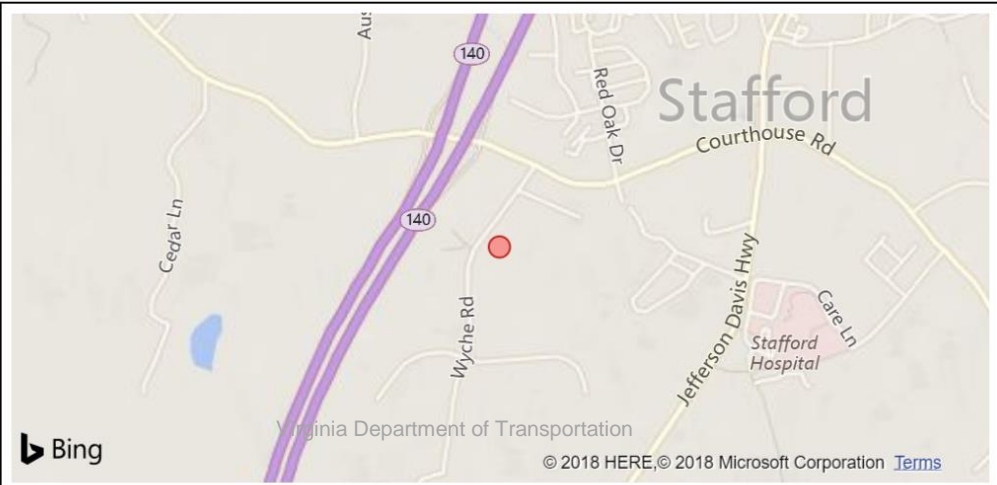


DEL.

Y000013558DB83 #HB2.FY17 I-95/RT 630 RECONSTRUCTION & WIDENING DESIGN BUILD

## GENERAL INFORMATION

Fiscal Year	District	Residency	City/County
FY2021	Fredericksburg		
Road System	Route	Administered By	Associated UPC
INTERSTATE		VDOT	108573
Contract Type	Type of Work		
Design/Build (CDB & DB)	Road Work and Paving		
Construction Company			
SHIRLEY CONTRACTING COMPANY, LLC			
Contact Type	Name	Phone	Email
VDOT Construction Manager/Coordinator	GREG NEWHOUSE		



## SCHEDULE

G

Today or Current Contract Completion date is 711 days prior to the Original Contract Completion Date

Contract Execution Date	Original Specified Completion Date	Acceptance Date
10/26/2016	7/31/2020	
Current Estimated Completion Date	Current Specified Completion Date	Type of Schedule Days
7/31/2020	7/31/2020	Fixed Date

## CONTRACT MILESTONE

Milestone	Number	Specified Completion Date	Actual Completion Date	Status
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## BUDGET

Y

Active project with contract over more than 3% and less than or equal to 10% of the Original Contract Award Amount

Contract Award Amount	Current Contract Amount	Cost of Work To Date	Un-audited Final Cost
\$99,946,970	\$104,195,329	\$36,831,508	

# Coming Soon!

- **Data export feature**
- **Comment field to explain status**
- **NVAP Notification Process Enhancements**
  - **Will automatically receive notifications to set up the project in NVAP**
  - **If the project is not set up after 45 days, it will show red on the Dashboard for missing information**

# Important Points

- **Under the old Dashboard, contract information (Project Delivery) was optional**
- **Under the new Dashboard –projects will be red if information is missing – including locally administered projects**
- **SmartPortal accepts progress for contracts - NVAP**
  - **Leverages existing data to the greatest extent possible**
  - **Utilizes the SmartPortal ID and login**

# Important Points

## What is needed for communicating Delivery status?

Four fields denoted in green are updated over the course of the contract.

1. Non-VDOT Contact	Locality contract manager
2. Non-VDOT Contact Phone	Locality contract manager phone number
3. Non-VDOT Contact Email	Locality contract manager email address
4. Construction Company	Contractor that was awarded contract
5. Original Contract Completion Date	Contract completion date specified in contract
6. Current Contract Completion Date	Contract completion date specified in contract plus any approved time modifications/extensions
7. Contract Acceptance Date	Date the C-5 document is signed indicating that all work is completed, punch-list items are finished and the contract is accepted
8. Contract Award Amount	Amount of the award in the contract
9. Current Contract Amount	The awarded contract amount plus any approved modifications due to task orders/work orders
10. Cost of Work To Date	Expenditures charged to the project

# Questions?